

Specifications

EPA / CEPA

The Emission Compliance Period referred to on the Emissions Compliance Label indicates the number of operating hours for which the engine has been shown to meet Federal emission requirements.

Category

A = 300 hours

B = 125 hours

C = 50 hours

CARB

The Emission Compliance Period used on the CARB-Air Index Label indicates the terms:

Extended = 300 hours

Intermediate = 125 hours

Moderate = 50 hours

Engine

Single-cylinder two-stroke engine

Displacement: 1.66 cu in
(27.2 cc)

Cylinder bore: 1.34 in (34 mm)

Piston stroke: 1.18 in (30 mm)

Idle speed: 2,500 rpm

Engine power acc. to ISO 7293:

BG 56: 0.7 kW (0.9 hp)

BG 66: 0.6 kW (0.8 hp)

BG 86: 0.8 kW (1.1 hp)

SH 56: 0.7 kW (0.9 hp)

SH 86: 0.8 kW (1.1 hp)

Ignition system

Electronic magneto ignition

Spark plug (suppressed): NGK CMR 6 H,
BOSCH USR 4
AC

Electrode gap: 0.020 in
(0.5 mm)

Fuel system

All-position diaphragm carburetor with integral fuel pump

Fuel tank capacity:

BG 56: 18.3 oz (0.54 l)

BG 66: 18.3 oz (0.54 l)

BG 86: 14.9 oz (0.44 l)

SH 56: 18.3 oz (0.54 l)

SH 86: 14.9 oz (0.44 l)

Maximum air throughput

	Blower mode, without nozzle	Suction mode
BG 56:	430 cf/min (730 m ³ /h)	---
BG 66:	430 cf/min (730 m ³ /h)	---

	Blower mode, without nozzle	Suction mode
BG 86:	477 cf/min (810 m ³ /h)	---
SH 56:	430 cf/min (730 m ³ /h)	418 cf/min (710 m ³ /h)
SH 86:	477 cf/min (810 m ³ /h)	453 cf/min (770 m ³ /h)

Air velocity

Blower mode, at round nozzle

BG 56: 143 mph
(64 m/sec)

BG 66: 143 mph
(64 m/sec)

BG 86: 154 mph
(69 m/sec)

SH 56: 143 mph
(64 m/sec)

SH 86: 154 mph
(69 m/sec)

Blower mode, at flat nozzle

BG 86: 190 mph
(85 m/sec)

SH 86: 190 mph
(85 m/sec)

Weight

Dry, blower mode

BG 56: 9.0 lbs (4.1 kg)

BG 56 C: 9.3 lbs (4.2 kg)

BG 66: 9.7 lbs (4.4 kg)

BG 86: 9.7 lbs (4.4 kg)

BG 86 C: 9.9 lbs (4.5 kg)

without fuel, suction mode

SH 56: 11.5 lbs (5.3 kg)

SH 86: 12.2 lbs (5.7 kg)